SYLVANIA

engineering data service

SYLVANIA **6BA5**

MECHANICAL DATA

Bulb	T-3
Base	Flexible Leads
Basing	8DY
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	150 Ma

DIRECT INTERELECTRODE CAPACITANCES

	Shielded[1]	Unshielded
Grid to Plate	.065	0.1 $\mu\mu$f
Input	3.4	3.2 $\mu\mu$f
Output	3.6	1.6 $\mu\mu$f

RATINGS (Design Center Values)

Plate Voltage	150 Volts Max.
Screen Voltage	140 Volts Max.
Plate Dissipation	0.7 Watt Max.
Screen Dissipation	0.3 Watt Max.
Heater-Cathode Voltage	90 Volts Max.
Grid Circuit Resistance	
Cathode Bias	1 Megohm Max.

TYPICAL OPERATION

Class A_1 Amplifier

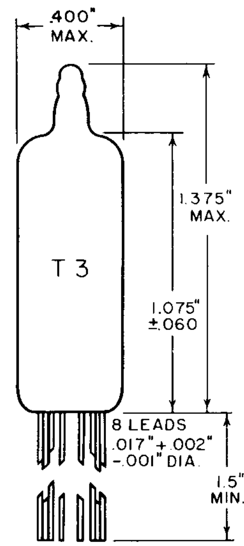
Plate Voltage	100 Volts
Screen Voltage	100 Volts
Cathode Bias Resistor	270 Ohms
Plate Current	5.5 Ma
Screen Current	2 Ma
Transconductance	2150 μmhos
Plate Resistance (approx.)	175,000 Ohms
Control Grid Bias Voltage for $I_b = 10\ \mu a$	−13.5 Volts

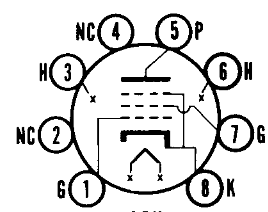
NOTE:

1. *External shield of 0.405" diameter connected to cathode.*

QUICK REFERENCE DATA

The Type 6BA5 is a subminiature general purpose pentode voltage amplifier.





8DY

SYLVANIA ELECTRIC PRODUCTS INC.

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA

SEPTEMBER 1953

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AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

